EVIL★ROBOT OPERATION MANUAL

By:

Tone Americana™

&

KASHA™

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Congratulations, on being a new EVIL ROBOT amplifier owner. This guide is designed to help you get playing quickly with your new amplifier. The EVIL ROBOT is so simple to use, we encourage you to experiment and have fun!

EVIL ROBOT AMPLIFIER INTRODUCTION

Reminiscent of the original Magnatone™ Tonemaster™ Troubador 214 amp that came onto the market in 1959 and immediately set the standard for rock n' roll, blues and R&B tone, with incredibly smooth harmonics and sweet Class A tone has once again been resurrected from the dead. The amp was carefully reconstructed from the ground up paying attention to the classic 50's look and electronics that have made this amp one of the most sought after tone machines for many artists over the years.

Phil X who is the host of the Fretted Americana hit classic guitar show on YouTube™ has demonstrated this amp with classic guitars dating as far back as the 30's to the present with hundreds of videos playing rock classics. Hundreds of comments came in talking about how great Phil's amp sounded and where to buy this amp that is no longer in production. Well the wait is over, we are pleased to announce that Fretted Americana, Inc. and Kasha Amplifiers, Inc. teamed up to make this amp available once more. Named Evil Robot.™, a clone of Phil X's original Tonemaster™ with additional spices from Kasha Amplifiers. The Evil Robot™ can be used in the studio, live with full bands and perfect for small venues.

Figure 1.

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BACK PANEL DESCRIPTION - (figures 2, 3 and 4)

POWER SWITCH – ON/OFF, will fire tubes and keep them on. Always turn power on first and let the tubes warm-up for about 1 minute before usage for best sound and performance.

POWER LIGHT INDICATOR – The Power indicates that the line AC voltage is operational. Check in back of the amp on the serial number plate for proper line voltage before turning on power.

FUSE HOLDER – Replace with 2 AMP/250VAC slow blow in case of a power surge or shorted tube. The fuse protects the transformers and tubes if excess current is detected due to a voltage spike or shorted tube.

DETACHABLE POWER CORD – The Evil Robot has a detachable International power cord socket located in the back under the chassis. Remove the back cover for access.

REMOTE SPEAKER – The Evil Robot can be used with an extension cabinet rated at 8 ohms. When plugging in the extension cabinet, the internal speaker will no longer operate. The extension cabinet should be rated at 8 ohms for full 18W power.

VIBRATO INTENSITY – It functions like a mix control. You can add as much intensity or as little as needed to get the perfect vibrato sound. The vibrato will not affect the initial attack of the strings like most tremolo circuits. When sustaining, the vibrato will naturally come into the signal path for a smooth effect.

VIBRATO SPEED – Controls the rate of the oscillation.

VIBRATO ON/OFF – Works with a standard on/off foot switch tip to sleeve grounding. Footswitch is included.

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Figure 2.

HIGH INPUTS A and B – High input A is the default input for maximum gain. This is the input that you will use to create rich heavy rock tone in addition to fined groomed voicings for all types of guitar tone when utilizing the 3-way tone switch. Input B can be used to run either an A/B switch or another instrument or microphone.

LOW INPUTS A and B – These inputs will lower the gain for a smoother less distorted tone when needing ultra clean sounds.

3-WAY TONE SWITCH – This switch is used to groom your tone. Mellow is a darker tone with mostly low frequency response, Normal is a combination of low and high frequency, and Bright brings more of the highs up front in addition to boosting your gain for more growl.

Note: *The 3-way switch works with the A high and low inputs as specified. Input B does not function the same way. There are only 2 modes high and low tones for input B.*

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Figure 3.

LOUDNESS A – Volume control for Input A. Works in conjunction with the Tone Control. For maximum gain, set the knob completely clockwise. The amp will distort from the preamp and power amp section. For clean sounds, set the knob about 12 o'clock. When the volume control is at max, the 3-way switch will only work in the Bright mode. Backing down the knob to about 4 o'clock will allow the 3-way switch to be active in all modes.

LOUDNESS B – Please refer to Loudness A control. It is identical.

TONE A & B– Controls the overall tone of the amplifier and also adds gain. For maximum bass, the knob should be at 0. For maximum highs, the knob should be set at 5 o'clock.

Figure 4.

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PHIL X settings:

Phil X uses his amp on the show with Loudness A and Tone completely open on 10. Most of the extra overdrive comes from an external overdrive pedal. The amp is very versatile and takes effects very well. We encourage you to experiment with all your effect pedals.

Figure 5.

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Figure 6.

Specifications:

Power:	18W Class A, cathode biased
Channels:	(2) Loudness A/B high and low
Controls:	Loudness A/B Volume, Tone A/B
Vibrato:	Intensity, Speed and Foot Switch (included)
Power Tubes (fixed bias):	(2) 6V6
Preamp Tubes:	(2) 12AX7, (1) 12AU7, (1) 6AV6
Speaker Output:	8 ohm
Remote Speaker Output:	Disconnects main speaker (8 ohm)
Tone Selector:	Normal, Mellow, and Bright
Transformers:	100% Handmade, Ear Tuned, Hand Wound, USA Steel
Speaker:	(8 ohm 30W) 12" hand made In USA
Chassis and Name Plate:	USA 16 gauge steel, painted, screened and baked
Assembly:	Point to point, no circuit board, extreme hand wired
Jacks:	¼" Switchcraft
Knobs:	Faux ivory chicken head
Ceramic Output Sockets:	Power tubes
Cabinet:	(50's Vintage Style) Baltic Birch semi open back
Tolex:	Vintage brown (custom), animal glue, finished corners
Grill Cloth:	Classic Gold Mesh (custom)
Handle:	Heavy duty black vintage style
Serial plate	Serial number
Accessories:	Vibrato footswitch included
Weight:	40 lbs
Dimensions:	20"Lx9.5"Wx15"H
Power:	100VAC, 120VAC, and 240VAC – 50/60Hz – UL and CE transformers, USA and International

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Note: For best operation, use your amplifier in ventilated areas. Avoid too much heat exposure. The power transformers in the Evil Robot run hot due to class A operation. The entire chassis acts as a heat absorber, so the front panel may be warm at times.

SERVICE

IMPORTANT: OPENING THE EVIL ROBOT UNIT CHASIS MAY CAUSE ELECTRICAL SHOCK. ALL SERVICE WORK EXCEPT TUBE REPLACEMENT MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN OR SERVICED AT TONE AMERICANA. WE RECOMMEND OUR STOCK TUBES THAT COME WITH THE AMPLIFIER.

THE AMPLIFIER DOES NOT NEED TO BE BIASED WHEN CHANGING OUPUT TUBES. THE BIAS FUNCTION IS FIXED.

WARRANTY

ALL TONE AMERICANA PRODUCTS HAVE A ONE YEAR WARRANTY FOR PARTS AND LABOR EXCLUDING TUBES. TUBES ARE WARRANTED FOR 30 DAYS.

FOR TONE AMERICANA SALES OR SUPPORT PLEASE CALL: 818-222-4113.

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